

SOLICITATION/CONTRACT				1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING DO: A1		Page 1 of 1					
BIDDER/OFFEROR TO COMPLETE BLOCKS 11, 13, 15, 21, 22, & 27.													
2. CONTRACT NO.			3. AWARD/EFFECTIVE DATE		4. SOLICITATION NUMBER F42620-01-R-1014			5. SOLICITATION TYPE <input type="checkbox"/> SEALED BIDS (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)		6. SOLICITATION ISSUE DATE 9 APR 2001			
7. ISSUED BY DEPARTMENT OF THE AIR FORCE DIRECTORATE OF CONTRACTING OO-ALC/LGK BLDG 1233 6072 FIR AVENUE HILL AIR FORCE BASE, UT 84056-20 BUYER: Marilyn Simon/LGKS marilyn.simon@hill.af.mil				CODE FA8232		8. THIS ACQUISITION IS <input type="checkbox"/> UNRESTRICTED <input type="checkbox"/> LABOR SURPLUS AREA CONCERNS <input type="checkbox"/> SET ASIDE: % FOR <input type="checkbox"/> COMBINED SMALL BUSINESS & LABOR SURPLUS AREA CONCERNS <input type="checkbox"/> SMALL BUSINESS <input checked="" type="checkbox"/> NAICS CODE: 54133 SIZE STANDARD: \$4.0							
9. Solicitation: Sealed offers will be received at the Issuing office until 2:00 P.M. on 20 Apr 01. Late offers are subject to late proposal provisions incorporated herein. All offers are subject to such provisions, representations certifications and specifications as are attached or incorporated by reference.*													
10. ITEMS TO BE PURCHASED (BRIEF DESCRIPTION) <input checked="" type="checkbox"/> SUPPLIES <input type="checkbox"/> SERVICES Engineering Services													
11. IF OFFER IS ACCEPTED BY THE GOVERNMENT WITHIN * ____ CALENDAR DAYS (60 CALENDAR DAYS UNLESS OFFEROR INSERTS A DIFFERENT PERIOD) FROM THE DATE SET FORTH IN BLK 9 ABOVE, THE CONTRACTOR AGREES TO HOLD ITS OFFERED PRICES FIRM FOR THE ITEMS SOLICITED HEREIN AND TO ACCEPT ANY RESULTING CONTRACT SUBJECT TO THE TERMS AND CONDITIONS STATED HEREIN. *30						12. ADMINISTERED BY SCD:C							
13. CONTRACTOR OFFEROR CODE _____ FACILITY CODE _____						14. PAYMENT WILL BE MADE BY EFT:T							
CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER						SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK:							
15. PROMPT PAY DISCOUNT						16. AUTHORITY FOR USING OTHER THAN 10 USC 2304 41 USC 253 FULL AND OPEN COMPETITION <input type="checkbox"/> (c) () <input type="checkbox"/> (c) ()							
17. ITEM NO.		18. SCHEDULE OF SUPPLIES/SERVICES				19. QUANTITY		20. UNIT		21. UNIT PRICE		22. AMOUNT	
		ROUTINE FMS REQUIREMENTS											
		SEE LINE ITEM SCHEDULE											
23. ACCOUNTING AND APPROPRIATION DATA SEE SCHEDULE										24. Total AWARD AMOUNT (FOR GOVT USE ONLY) \$			
25. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY CONTINUATION SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN. <input type="checkbox"/>										26. AWARD OF CONTRACT: YOUR OFFER ON SOLICITATION NUMBER SHOWN IN BLOCK 4 INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: SEE SCHEDULE			
27. SIGNATURE OF OFFEROR/CONTRACTOR					28. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)								
NAME AND TITLE OF SIGNER (TYPE OR PRINT)					DATE SIGNED		NAME OF CONTRACTING OFFICER					DATE SIGNED	

NO RESPONSE FOR THE REASONS CHECKED

<input type="checkbox"/>	CANNOT COMPLY WITH SPECIFICATIONS		<input type="checkbox"/>	CANNOT MEET DELIVERY REQUIREMENT
<input type="checkbox"/>	CANNOT COMPLY WITH SPECIFICATIONS			
<input type="checkbox"/>	OTHER (Specify)			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WE DO NOT DESIRE TO BE RETAINED ON THE MAILING LIST FOR FUTURE PROCUREMENT OF THE TYPE OF ITEMS INVOLVED	
NAME AND ADDRESS OF FIRM (Include Zip Code)			SIGNATURE	
			TYPE OR PRINT NAME AND TITLE OF SIGNER	

FOLD

FOLD

FOLD

FOLD

FROM:

**AFFIX
STAMP
HERE**

TO:

DEPARTMENT OF THE AIR FORCE
DIRECTORATE OF CONTRACTING
OO-ALC/LGK BLDG 1233
6072 FIR AVENUE
HILL AIR FORCE BASE, UT 84056-5820
BUYER: Marilyn Simon/LGKF
marilyn.simon@hill.af.mil
NO COLLECT CALLS: (801) 777-6041

SOLICITATION NO. F4262001R1014

DATE AND LOCAL TIME 20 APR 2001

**PART I - THE SCHEDULE
SECTION B
SUPPLIES OR SERVICES AND PRICES/COSTS**

ILS MICROWAVE NETWORK					
<u>Item No.</u>	Firm Fixed Price	<u>QTY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
0001		12	MM	\$	\$
<p>Technical Support for the EAF ILS Microwave Network IAW the SOW Purchase Request(s) PR Line Item(s) NGFSAC0171087 0001 ACRN: AA Foreign Military Sales</p>					
Required Delivery	Ship To	Quantity	U/I	*ARO Contract	—
		12	MM	START PERFORMANCE 5 DAYS ARO	
Proposed Delivery		12	MM		

Contractor provided tools					
<u>Item No.</u>	Firm Fixed Price	<u>QTY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
0002		1	LO	\$	\$
<p>Contractor provided common hand tools and test equipment IAW SOW Purchase Request(s) PR Line Item(s) NGFSACC0171087 0001 ACRN: AA Foreign Military Sales</p>					

MONTHLY TECHNICAL REPORT				
<u>Item No.</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
0003	12	EA	NSP	NSP
DATA IAW EXHIBIT "A"				
Monthly technical reports IAW SOW				
Purchase Request(s)	PR Line Item(s)			
NGFSACC0171087	0001			
ACRN: AA	\$			
Foreign Military Sales				

**PART I - THE SCHEDULE
SECTION E
INSPECTION AND ACCEPTANCE**

52.246-2 **INSPECTION OF SUPPLIES--FIXED-PRICE (AUG 1996)**
(IAW FAR 46.302)

**PART I - THE SCHEDULE
SECTION F
DELIVERIES OR PERFORMANCE**

52.211-8 **TIME OF DELIVERY (JUN 1997)**
(IAW FAR 11.404(a)(2))

(a) The Government requires delivery to be made according to the following schedule:

DELIVERY FOR EACH ITEM IS ANNOTATED IN THE SCHEDULE (PART I SECTION B) UNDER EACH LINE ITEM.

The Government will evaluate equally, as regards time of delivery, offers that propose delivery of each quantity within the applicable delivery period specified above. Offers that propose delivery that will not clearly fall within the applicable required delivery period specified above, will be considered nonresponsive and rejected. The Government reserves the right to award under either the required delivery schedule or the proposed delivery schedule, when an offeror offers an earlier delivery schedule than required above. If the offeror proposes no other delivery schedule, the required delivery schedule above will apply.

ANNOTATE YOUR PROPOSED DELIVERY, IF ANY, UNDER THE GOVERNMENT'S DELIVERY SET FORTH UNDER EACH ITEM IN THE SCHEDULE.

(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than the day award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of award, rather than the date the written notice of award is received from the Contracting Officer through the ordinary mails. However, the Government will evaluate an offer that proposes delivery based on the Contractor's date of receipt of the contract or notice of award by adding (i) five calendar days for delivery of the award through the ordinary mails, or (ii) one working day if the solicitation states that the contract or notice of award will be transmitted electronically. (The term "working day" excludes weekends and U.S. Federal holidays.) If, as so computed, the offered delivery date is later than the required delivery date, the offer will be considered nonresponsive and rejected.

52.211-17 DELIVERY OF EXCESS QUANTITIES (SEP 1989)
(IAW FAR 11.703(b))

52.242-15 STOP-WORK ORDER (AUG 1989)
(IAW FAR 42.1305(b)(1))

52.242-17 GOVERNMENT DELAY OF WORK (APR 1984)
(IAW FAR 42.1305(d))

PART I - THE SCHEDULE
SECTION G
CONTRACT ADMINISTRATION DATA

ACRN	Accounting and Appropriation Chargeable Funds Citation	Amount Chargeable
AA	9711X8242 .EG02 4FX 47 E3 CQDTEG 000000 00000 006000 503000 F03000	\$
ADVICE CODE: DEG00N10577602		

5352.232-9000 **REMITTANCE ADDRESS (MAY 1996)**
(IAW AFFARS 5332.908)

If the remittance address is different from the mailing address, enter the remittance address below.
Failure to provide this information may impact payment.

[illegible]

PART II - CONTRACT CLAUSES
SECTION I
CONTRACT CLAUSES

- 52.202-1** **DEFINITIONS (OCT 1995)**
 (IAW FAR 2.201)
- 52.203-3** **GRATUITIES (APR 1984)**
 (IAW FAR 3.202)
- 52.203-5** **COVENANT AGAINST CONTINGENT FEES (APR 1984)**
 (IAW FAR 3.404)
- 52.203-6** **RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (JUL 1995)**
 (IAW FAR 3.503-2)
- 52.203-7** **ANTI-KICKBACK PROCEDURES (JUL 1995)**
 (IAW FAR 3.502-3)
- 52.203-8** **CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR**
IMPROPER ACTIVITY (JAN 1997)
 (IAW FAR 3.104-9(a))
- 52.203-10** **PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (JAN 1997)**
 (IAW FAR 3.104-9(b))
- 52.203-12** **LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS**
(JUN 1997)
 (IAW FAR 3.808(b))
- 252.203-7001** **PROHIBITION ON PERSONS CONVICTED OF FRAUDS OR OTHER DEFENSE-**
CONTRACT-RELATED FELONIES (MAR 1999)
 (IAW DFARS 203.570-5)
- 52.204-4** **PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER (AUG 2000)**
 (IAW FAR 4.303)
- 252.204-7003** **CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT (APR 1992)**
 (IAW DFARS 204.404-70(b))
- 252.204-7004** **REQUIRED CENTRAL CONTRACTOR REGISTRATION (MAR 2000)**
 (IAW DFARS 204.7304)
- 52.209-6** **PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH**
CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT
(JUL 1995)
 (IAW FAR 9.409(b))

- 52.211-5 MATERIAL REQUIREMENTS (AUG 2000)**
(IAW FAR 11.304)
- 52.211-15 DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (SEP 1990)**
(IAW FAR 11.604(b))
(Does not apply to foreign contractors performing and buying supplies outside the United States) (Reference the Defense Priorities & Allocations System Manual)
- 52.215-2 AUDIT AND RECORDS—NEGOTIATION (JUN 1999)**
(IAW FAR 15.209(b)(1))
- 52.215-8 ORDER OF PRECEDENCE—UNIFORM CONTRACT FORMAT (OCT 1997)**
(IAW FAR 15.209(h))
- 52.215-14 INTEGRITY OF UNIT PRICES (OCT 1997)**
(IAW FAR 15.408(f)(1))
- 52.219-4 NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZone SMALL BUSINESS CONCERNS (JAN 1999)**
(IAW FAR 19.1308(b))
(c) Waiver of evaluation preference
___ Offer elects to waive the evaluation preference.
- 52.222-1 NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (FEB 1997)**
(IAW FAR 22.103-5(a))
(IAW AFMCFARS 5322.101-1(e), applicable in excess of \$1,000,000; when overseas contractor; major modification/programmed depot maintenance and engine overhaul; Criticality Designator A; services and construction; or for essential DOD Contractor Services During Crises (See DODI 3020.37))
- 52.222-19 CHILD LABOR—COOPERATION WITH AUTHORITIES AND REMEDIES (FEB 2001)**
(IAW FAR 22.1505(b))
(Not applicable to performance outside the United States)
- 52.222-21 PROHIBITION OF SEGREGATED FACILITIES (FEB 1999)**
(IAW FAR 22.810(a)(1))
(Applicable over \$10,000 only if workers were recruited within the United States)
- 52.222-26 EQUAL OPPORTUNITY (FEB 1999)**
(IAW FAR 22.810(e))
(Applicable only if workers were recruited within the United States)
- 52.222-29 NOTIFICATION OF VISA DENIAL (FEB 1999)**
(IAW FAR 22.810(g))
(Not applicable to performance outside the United States unless the employees were recruited within the United States, or if the contractor is required to perform in or on behalf of a foreign country)

52.222-35 AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA (APR 1998)
(IAW FAR 22.1308(a)(1), and DFARS 22.1308(a)(1))
(Applicable only if \$10,000 or more and workers were recruited within the United States)

52.222-36 AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES (JUN 1998)
(IAW FAR 22.1408(a))

52.222-37 EMPLOYMENT REPORTS ON DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA (JAN 1999)
(IAW FAR 22.1308(b))
(Applicable only if \$10,000 or more and workers were recruited within the United States)

52.223-14 TOXIC CHEMICAL RELEASE REPORTING (OCT 2000)
(IAW FAR 23.907(b))

52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUL 2000)
(IAW FAR 25.1103(a))

52.225-14 INCONSISTENCY BETWEEN ENGLISH VERSION AND TRANSLATION OF CONTRACT (FEB 2000)
(IAW FAR 25.1103(b))

252.225-7001 BUY AMERICAN ACT AND BALANCE OF PAYMENTS PROGRAM (MAR 1998)
(IAW DFARS 225.1101(2))
(The "Balance of Payments Program" is not applicable when the estimated cost of the product or service is at or below the simplified acquisition threshold)

252.225-7002 QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS (DEC 1991)
(IAW DFARS 225.1101(3))
(The balance of Payments Program is not applicable when the estimated cost of the product or service is at or below the simplified acquisition threshold)

252.225-7005 IDENTIFICATION OF EXPENDITURES IN THE UNITED STATES (DEC 1991)
(IAW DFARS 225.1103(1))
(Applicable to solicitations and contracts exceeding the Simplified Acquisition Threshold that require furnishing U.S. end products and the contractor is foreign or will take title outside the U.S. - applicable to construction and services performed outside U.S. and contractor is a domestic concern or will acquire materials, equipment, or services from U.S. sources)

252.225-7012 PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES (AUG 2000)
(IAW DFARS 225.7002-3(a))

252.225-7027 RESTRICTION ON CONTINGENT FEES FOR FOREIGN MILITARY SALES (JAN 1997)
(IAW DFARS 225.7300, and DFARS 225.7308(a))

(b) (1) For sales to the Government(s) of Australia, Taiwan, Egypt, Greece, Israel, Japan, Jordan, Republic of Korea, Kuwait, Pakistan, Philippines, Saudi Arabia, Turkey, Thailand, or Venezuela (Air Force), contingent fees in any amount.

252.225-7028 EXCLUSIONARY POLICIES AND PRACTICES OF FOREIGN GOVERNMENTS
(DEC 1991)
(IAW DFARS 225.7308(b))

252.225-7031 SECONDARY ARAB BOYCOTT OF ISRAEL (JUN 1992)
(IAW DFARS 225.770-5)

252.225-7041 CORRESPONDENCE IN ENGLISH (JUN 1997)
(IAW DFARS 225.1103(2))
(Applicable when contract performance will be wholly or in part in a foreign country)

252.225-7042 AUTHORIZATION TO PERFORM (JUN 1997)
(IAW DFARS 225.1103(3))
(Applicable when contract performance will be wholly or in part in a foreign country)

5352.225-9000 EVIDENCE OF SHIPMENT ON FOREIGN MILITARY SALES (FMS) CONTRACTS
(MAY 1996)
(IAW AFFARS 5325.7390)

The contractor shall provide to the payment office evidence of shipment that will consist of both a DD Form 250, Material Inspection and Receiving Report, and the carrier's receipt (e.g., the Commercial Bill of Lading, the Government Bill of Lading, the United States Postal Parcel Service receipt, the United Parcel Service pick-up record, or other carrier pick-up document). The contractor need not submit a DD Form 250, if one is not otherwise required under the contract.

5352.225-9000 LAW COVERING CONTRACTS (AFMC) (JUL 1997)
(IAW AFMCFARS 5325.902-90)

This contract shall be governed by and interpreted in accordance with the laws of the United States of America.

(Applicable when shipments originate overseas)

5352.225-9001 ENGLISH LANGUAGE REQUIREMENTS (AFMC) (JUL 1997)
(IAW AFMCFARS 5325.902-91)

(a) Deliver all documents in the English language.

(b) Provide an English language speaking person during in-plant visits, inspections, reviews, audits, and other similar activities.

52.226-1 UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC ENTERPRISES (JUN 2000)

(IAW FAR 26.104 and DFARS 226.104(a))

(Applicable except when both complete performance and delivery are outside the United States, its possessions and Puerto Rico, unless the contract indicates that the supplies or other deliverables are ultimately to be shipped into one of those areas)

5352.227-9002 VISIT REQUESTS BY FOREIGN-OWNED OR CONTROLLED FIRMS (AFMC) (JUL 1997)

(IAW AFMCFARS 5327.9002(b))

(a) Prime Contractors which are foreign-owned or controlled and require access to a U.S. Government installation shall submit visit requests through their foreign embassy in Washington, D.C. at least 30 days prior to the proposed visit date.

(b) Subcontractors which are foreign-owned or controlled and require access to a U.S. Government installation shall have their prime Contractor submit a visit request to the security police office of the base being visited at least two weeks before the scheduled meeting.

(c) Canadian Contractors and Canadian government employees may directly arrange visits by having their security office submit a visit request to the security policy office of the base being visited at least two weeks before the scheduled meeting.

(Applicable when a foreign source is a foreign-owned, operated or controlled company)

52.229-7 TAXES—FIXED-PRICE CONTRACTS WITH FOREIGN GOVERNMENTS (JAN 1991)

(IAW FAR 29.402-1(b))

(b) The contract price, including the prices in any subcontracts under this contract, does not include any tax or duty that the Government of the United States and the Government of Egypt have agreed shall not apply to expenditures made by the United States in *****, or any tax or duty not applicable to this contract or any subcontracts under this contract, pursuant to the laws of *****.

(c) If, after the contract date, the Government of the United States and the Government of ***** agree that any tax or duty included in the contract price shall not apply to expenditures by the United States in *****, the contract price shall be reduced accordingly.

52.232-1 PAYMENTS (APR 1984)

(IAW FAR 32.111(a)(1))

52.232-8 DISCOUNTS FOR PROMPT PAYMENT (MAY 1997)

(IAW FAR 32.111(c)(1))

52.232-11 EXTRAS (APR 1984)

(IAW FAR 32.111(d)(2))

52.232-23 ASSIGNMENT OF CLAIMS (JAN 1986)

(IAW FAR 32.806(a)(1))

52.232-25 PROMPT PAYMENT (JUN 1997)

(IAW FAR 32.908(c))

(a)(5)(i) For the sole purpose of computing an interest penalty that might be due the Contractor, Government acceptance shall be deemed to have occurred constructively on the 7th day after the Contractor delivered the

supplies or performed the services in accordance with the terms and conditions of the contract, unless there is a disagreement over quantity, quality, or Contractor compliance with a contract provision.

(b) *Contract financing payments.*

(1) *Due dates for recurring financing payments.* Contract financing payments shall be made on the 30th day after receipt of a proper contract financing request by the designated billing office.

**52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER – CENTRAL CONTRACTOR
REGISTRATION (MAY 1999)
(IAW FAR 32.1110(a) (1))**

**52.233-3 PROTEST AFTER AWARD (AUG 1996)
(IAW FAR 33.106(b))**

**252.233-7001 CHOICE OF LAW (OVERSEAS) (JUN 1997)
(IAW DFARS 233.215-70)**

(Applicable when contract performance will be outside of the United States, its possessions, and Puerto Rico, unless otherwise provided for in a government-to-government agreement)

**52.242-13 BANKRUPTCY (JUL 1995)
(IAW FAR 42.903)**

**52.243-1 CHANGES—FIXED-PRICE (AUG 1987)
(IAW FAR 43.205(a)(1))**

**252.243-7001 PRICING OF CONTRACT MODIFICATIONS (DEC 1991)
(IAW DFARS 243.205-71)**

**252.243-7002 REQUESTS FOR EQUITABLE ADJUSTMENT (MAR 1998)
(IAW DFARS 243.205-72)**

**52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS
(OCT 1998)
(IAW FAR 44.403)**

(a) *Definitions.*

"Commercial item," as used in this clause, has the meaning contained in the clause at 52.202-1, Definitions.

"Subcontract," as used in this clause, includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c) Notwithstanding any other clause of this contract, the Contractor is not required to include any FAR provision or clause, other than those listed below to the extent they are applicable and as may be required to establish the reasonableness of prices under Part 15, in a subcontract at any tier for commercial items or commercial components:

(1) 52.222-26, Equal Opportunity (E.O. 11246);

(2) 52.222-35, Affirmative Action for Disabled Veterans and Veterans of the Vietnam Era (38 U.S.C. 4212(a));

(3) 52.222-36, Affirmative Action for Workers with Disabilities (29 U.S.C. 793); and

(4) 52.247-64, Preference for Privately Owned U.S.-Flagged Commercial Vessels (46 U.S.C. 1241) (flow down not required for subcontracts awarded beginning May 1, 1996).

(d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

252.244-7000 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS
(DoD CONTRACTS) (MAR 2000)
(IAW DFARS 244.403)

252.247-7023 TRANSPORTATION OF SUPPLIES BY SEA (MAR 2000)
(IAW DFARS 247.573(b)(1))
(Applicable to orders other than those for direct purchase of ocean transportation services, or those with an anticipated value at or below the simplified acquisition threshold)

52.249-2 TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE)
(SEP 1996)
(IAW FAR 49.502(b)(1)(i))

52.249-8 DEFAULT (FIXED-PRICE SUPPLY AND SERVICE) (APR 1984)
(IAW FAR 49.504(a)(1))

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)
(IAW FAR 52.107(b))

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. **[Also, the full text of a clause may be accessed electronically at this/these address(es):**

Regulations URLs: (Click on the appropriate regulation.)
<http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/fardfars/far/far1toc.htm>
<http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/fardfars/dfars/dfar1toc.htm>
http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/af_afmc/affars/affar1toc.htm
http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/af_afmc/afmcfars/afmc1toc.htm

NOTE: After selecting the appropriate regulation above, at the "Table of Contents" page, conduct a search for the desired regulation reference using your browser's **FIND** function. When located, click on the **regulation reference** (hyperlink).

52.253-1 COMPUTER GENERATED FORMS (JAN 1991)
(IAW FAR 53.111)

52.207-4 ECONOMIC PURCHASE QUANTITY--SUPPLIES (AUG 1987)
(IAW FAR 7.203)

(a) Offerors are invited to state an opinion on whether the quantity(ies) of supplies on which bids, proposals or quotes are requested in this solicitation is (are) economically advantageous to the Government.

(b) Each offeror who believes that acquisitions in different quantities would be more advantageous is invited to recommend an economic purchase quantity. If different quantities are recommended, a total and a unit price must be quoted for applicable items. An economic purchase quantity is that quantity at which a significant price break occurs. If there are significant price breaks at different quantity points, this information is desired as well.

OFFEROR RECOMMENDATIONS

<u>ITEM</u>	<u>QUANTITY</u>	<u>QUOTATION</u>	<u>PRICE TOTAL</u>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>

(c) The information requested in this provision is being solicited to avoid acquisitions in disadvantageous quantities and to assist the Government in developing a data base for future acquisitions of these items. However, the Government reserves the right to amend or cancel the solicitation and re-solicit with respect to any individual item in the event quotations received and the Government's requirements indicate that different quantities should be acquired.

52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (JAN 2001)
(IAW FAR 9.409(a))

(a) (1) The Offeror certifies, to the best of its knowledge and belief, that--

(i) The Offeror and/or any of its Principals--

(A) **Are [] are not []** presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) **Have [] have not []**, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) **Are [] are not []** presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(B) of this provision.

(ii) (A) The Offeror, aside from the offenses enumerated in paragraphs (a)(1)(i)(A), (B), and C) of this provision, **has [] has not []** within the past three years, relative to tax, labor and employment, environmental, antitrust, or consumer protection laws--

(1) Been convicted of a Federal or state felony (or has any Federal or state felony indictments currently pending against them); or

(2) Had a Federal court judgment in a civil case brought by the United States rendered against them; or

(3) Had an adverse decision by a Federal administrative law judge, board, or commission indicating a willful violation of law.

(B) If the offeror has responded affirmatively, the offeror shall provide additional information if requested by the Contracting Officer; and

(iii) The **Offeror has [] has not []**, within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. the knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

252.209-7003

COMPLIANCE WITH VETERANS' EMPLOYMENT REPORTING REQUIREMENTS
(MAR 1998)
(IAW DFARS 209.104-70(c))

52.222-22

PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)
(IAW FAR 22.810(a)(2))

The offeror represents that—

(a) It **[] has, [] has not** participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) It **[] has, [] has not**, filed all required compliance reports;

(Applicable over \$10,000 only if workers were recruited within the United States)

52.222-25

AFFIRMATIVE ACTION COMPLIANCE (APR 1984)
(IAW FAR 22.810(d))

The offeror represents that

(a) it **[] has developed** and has on file, **[] has not developed** and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) it **[] has not previously** had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(Applicable only if workers were recruited within the United States)

52.223-13

CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (OCT 2000)
(IAW FAR 23.907(a))

(a) Submission of this certification is a prerequisite for making or entering into this contract imposed by Executive Order 12969, August 8, 1995.

(b) By signing this offer, the offeror certifies that--

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: *[Check each block that is applicable.]*

☐ (i) The facility does not manufacture, process or otherwise use any toxic chemicals listed under section 313(c) of EPCRA, 42 U.S.C. 11023(c);

☐ (ii) The facility does not have 10 or more full-time employees as specified in section 313.(b)(1)(A) of EPCRA 42 U.S.C. 11023(b)(1)(A);

☐ (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

☐ (iv) The facility does not fall within Standard Industrial Classification Code (SIC) major groups 20 through 39 or their corresponding North American Industry Classification System (NAICS) sectors 31 through 33; or

☐ (v) The facility is not located within any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, or any other territory or possession over which the United States has jurisdiction.

252.225-7000

BUY AMERICAN ACT--BALANCE OF PAYMENTS PROGRAM CERTIFICATE
(SEP 1999)
(IAW DFARS 225.1101(1))

(c) *Certifications.*

Qualifying Country End Products

Line Item Number

Country of Origin

(List only qualifying country end products.)

(3)

Non-qualifying Country End Products

Line Item Number

Country of Origin (If Known)

(The "Balance of Payments Program" is applicable when the estimated cost of the foreign end products or services to be acquired for use outside the United States is at or below the Simplified Acquisition Threshold in FAR Part 13)

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)
(IAW DFARS 247.573(a))

(b) *Representation.*

- ☐ **Does** anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.
- ☐ **Does not** anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(Applicable when other than direct purchase of ocean transportation services)

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION L
INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS OR RESPONDENTS

52.204-6 DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (JUN 1999)
(IAW FAR 4.603(a))

52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)
(IAW FAR 11.604(a))

Note: DX or DO rating will be completed on cover page.

52.215-1 INSTRUCTIONS TO OFFERORS—COMPETITIVE ACQUISITION (FEB 2000)
(IAW FAR 15.209(a))

5352.215-9016 ACQUISITION OMBUDSMAN (AFMC) (JUL 1997)
(IAW AFMCFARS 5315.9001(d))

An Ombudsman has been appointed to hear concerns from offerors or potential offerors during the proposal development phase of this acquisition. The Ombudsman does not diminish the authority of the program director or Contracting Officer, but communicates Contractor concerns, issues, disagreements, and recommendations to the appropriate Government personnel. When requested, the Ombudsman shall maintain strict confidentiality as to the source of the concern. The Ombudsman does not participate in the evaluation of proposals or in the source selection process. Interested parties are invited to call **Porter Roger** at **801 777-6991**.

52.216-1 TYPE OF CONTRACT (APR 1984)
(IAW FAR 16.105)

The Government contemplates award of a **(see individual line item)** contract resulting from this solicitation.

52.233-2 SERVICE OF PROTEST (AUG 1996)
(IAW FAR 33.106(a))

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from **(See page 1 Issuing Office)**.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)
(IAW FAR 52.107(a))

This solicitation incorporated one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

The full text of a clause may be accessed electronically at this/these address(es): Regulations URLs: (Click on the appropriate regulation.)

<http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/fardfars/far/far1toc.htm>
<http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/fardfars/dfars/dfar1toc.htm>
http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/af_afmc/affars/affar1toc.htm
http://farsite.hill.af.mil/reghtml/regs/far2afmcfars/af_afmc/afmcfars/afmc1toc.htm

NOTE: After selecting the appropriate regulation above, at the "Table of Contents" page conduct a search for the desired regulation reference, using your browser's **FIND** function. When located, click on the **regulation reference** (hyperlink).

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION M
EVALUATION FACTORS FOR AWARD

EVALUATION CRITERIA FOR AWARD (OCT 1997)
(IAW FAR 13.106-2(b), FAR 14.201-5(c), FAR 15.204-5(c))

For the purposes of award, offers will be evaluated based on the following factors, listed in descending order of importance:

Evaluation Factors	Order of Importance
Past Performance	01
Technical Capability	02
Price or Cost	03

NOTICE FOR OPTIONS: Price will be evaluated by adding the extended prices for basic award and option quantities, if applicable.

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188				
The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.										
A. CONTRACT LINE ITEM NO. 0003		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER _____						
D. SYSTEM/ITEM ILS MICROWAVE NETWORK		E. CONTRACT/PR NO. NGFSAC0171087		F. CONTRACTOR						
1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM MONTHLY REPORT			3. SUBTITLE						
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE NGFSAC0171087		6. REQUIRING OFFICE OO-ALC/LGKF						
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY MONTHLY	12. DATE OF FIRST SUBMISSION BLK 16	14. DISTRIBUTION						
8. APP CODE		11. AS OF DATE BLK 16	13. DATE OF SUBSEQUENT SUBMISSION BLK 16							
16. REMARKS 1) Monthly Technical Report due by the 10 of each month IAW 2.4.1 of the SOW. 2) Contractor format acceptable 3) To be delivered on electronic media				a. ADDRESSEE		b. COPIES				
				OMC/ILS		1				
				UNIT 64901						
				BOX 47						
				APO AE 09839-490						
				15. TOTAL →				0	7	0
				G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE 9 APR 01

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST*(1 Data Item)*

A. CONTRACT LINE ITEM NO. 0003	B. EXHIBIT A	C. CATEGORY: TDP _____ TM _____ OTHER _____	
D. SYSTEM/ITEM ILS MICROWAVE NETWORK		E. CONTRACT/PR NO. NGFSAC0171087	F. CONTRACTOR

16. REMARKS *(Continued)*

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

Item A. Self-explanatory.

Item B. Self-explanatory.

Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management," etc.

Item D. Enter name of system/item being acquired that data will support.

Item E. Self-explanatory (to be filled in after contract award).

Item F. Self-explanatory (to be filled in after contract award).

Item G. Signature of preparer of CDRL.

Item H. Date CDRL was prepared.

Item I. Signature of CDRL approval authority.

Item J. Date CDRL was approved.

Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.

Item 2. Enter title as it appears on data acquisition document cited in Item 4.

Item 3. Enter subtitle of data item for further definition of data item (optional entry).

Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.

Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).

Item 6. Enter technical office responsible for ensuring adequacy of the data item.

Item 7. Specify requirement for inspection/acceptance of the data item by the Government.

Item 8. Specify requirement for approval of a draft before preparation of the final data item.

Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).

Item 10. Specify number of times data items are to be delivered.

Item 11. Specify as-of date of data item, when applicable.

Item 12. Specify when first submittal is required.

Item 13. Specify when subsequent submittals are required, when applicable.

Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.

Item 15. Enter total number of draft/final copies to be delivered.

Item 16. Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14.; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.

STATEMENT OF WORK

TECHNICAL SUPPORT FOR EAF ILS (Integrated Logistics System) MICROWAVE NETWORK

L T SOW - 29Feb01.doc
(SOW to support and maintain the EAF Integrated Logistics System Microwave Network)

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1.0 SCOPE

1.1 BACKGROUND

a. The USAF has a requirement to support and maintain the Egyptian Air Force (EAF) Integrated Logistics System (ILS), Microwave Network and Communications facilities.

b. Maintenance and on-site support is required to ensure that the currently operating ILS microwave network and associated communications facilities are properly supported, maintained and enhanced per EAF requirements.

c. The contractor shall provide maintenance and on-site support for such typical ILS microwave equipment as listed in Appendix A of this Statement of Work. The work is to be performed at approximately 40 to 50 sites throughout Egypt.

(1) Maintenance support shall be in the form of assistance to the EAF personnel in their daily network troubleshooting and maintenance of all microwave equipment, but will also include actually performing such work if it is beyond the ability of EAF personnel.

(2) On-site support may also be in the form of participation in on-site installation of electronic equipment, antenna's, related cables, etc., but does not include air conditioning. This work will be performed as required by the written work orders provided by the ILS Program Manager.

2.0 REQUIREMENTS

2.1 GENERAL

a. This statement of work is designed to provide technical support to the ILS Microwave Network.

b. The contractor shall assign one full time Technical Support Electronics Technician (TSET) person to the United States Air Force (USAF) ILS Program Management Office (PMO), based on a 40 hour week per TSET. This expert will provide technical microwave electronics assistance to the EAF through the USAF ILS PMO in Egypt. Working in coordination with both the EAF and USAF staffs, and under the direction of the USAF ILS Program Manager, the TSET will perform tasks as specified in the duties portion of this Statement of Work, and as normally specifically described in Work Orders provided to the TSET by the USAF ILS PMO.

c. Contractor TSET personnel shall provide to EAF personnel, at the various sites:

- (1) professional, expert, technical advice.
- (2) informal technical instruction.
- (3) access to qualified engineering assistance (under separate clin).
- (4) periodic hands on work as deemed necessary by the EAF PMO and ILS PMO.

d. The work will consist of normal day to day microwave technician tasks, which primarily involve determining the cause of system failures, and assisting the EAF in whatever way necessary to get the system failure resolved. The work will involve some level of operation, maintenance, calibration, repair and troubleshooting of the microwave network and other duties in order to assist the EAF in their goal of keeping the ILS microwave network technically operational and fully functional. The work will also involve efforts to enhance the microwave network through installation of new sites and improvements or upgrade of existing sites. This work does not require a certified microwave communications engineer, but will require such tasks as repair/replacement of radios, cables, antenna's, and/or the installation of such equipment to improve performance.

e. The services of the contractor personnel are required primarily as described in (c.) above. However, this statement of work shall be deemed to include other related associated services not specifically mentioned, which may be required from time to time by the EAF in order to increase proficiency in the total operations and maintenance of the microwave network and communications facilities.

2.2 SUPPORT PROVIDED BY CONTRACTOR TO THE TSET

All Contractor field personnel shall be administratively and technically supported by the contractor's headquarters staff of supervisory, engineering and clerical personnel. The contractor shall provide the field person (TSET) with the following assistance:

a. Any expert technical and administrative support which will be needed by the TSET in order to provide the EAF with on-the-job (OTJ) technical instruction, such as, but not limited to, theoretical explanations of causes of system failures, symptom recognition during diagnosis, proper troubleshooting procedures, correct repair procedures, and recommendations for preventing future occurrences.

b. Expert technical support concerning all aspects of the theory, operation and maintenance procedures specific to the equipment for which the technical services are provided. In the event that the field person(s), while assisting in the maintenance or repair of ILS microwave equipment and facilities is unable to correct the problem (not due to lack of spares, or other issues beyond the control

of the vendor) within a reasonable time period, then the contractor shall supply additional assistance to the TSET, as may be appropriate, at the earliest opportunity in order to overcome the problem. The contractor's support structure shall be of sufficient depth to ensure that the TSET receives appropriate assistance within twenty four (24) consecutive work hours of the request for additional support. If the support is not provided within twenty four (24) consecutive work hours, the contractor may be assessed a penalty by the government, of an amount equal to the fee of one day, for each day of non-performance.

c. Assistance in preparation of a monthly progress report in Microsoft Word format which consolidates each month's work order inputs from the in-country TSET, and will include any anticipated system needs.

d. Emergency communication contact in the form of a cell phone. Cell phone must be charged, turned on, and in the possession of the TSET during normal duty hours so that emergency contacts can be established. If a site does not allow a cell phone, it must be inactivated and left at the site gate.

e. Assistance in requesting and obtaining a passport and visa for TSET, as well as providing information required by the EAF to process appropriate Egyptian requests for site passes and clearances necessary to perform the duties contained herein in Egypt (at the time of contract award).

2.3 FIELD DUTIES

The specific duties and responsibilities of the contractor personnel shall include but not be limited to the following:

2.3.1 Informal Technical Instruction

a. Any informal OTJ technical instruction, which will involve extensive time at the site (more than one half hour), should be coordinated with the USAF ILS PMO. When it has been determined that the need for such technical instruction exists, this technical instruction should be included as an additional task on the work order. Such technical instruction shall be conducted for the on-site Egyptian Air Force (EAF) personnel in the areas of microwave communications/operation/maintenance/repair procedures etc. Technical instruction may include demonstrating operating procedures, troubleshooting procedures and preventive and corrective maintenance procedures. Discussions may consist of theory of operation, interface requirements, theoretical explanation of system failures, symptom recognition, repair procedures, and recommendations for preventing future occurrences. However, routine technical instruction of short duration (one half hour or less) should be conducted as needed and noted on the current work order that routine technical instruction was performed.

b. When the work orders specify that informal OTJ needs to be given, the TSET shall evaluate the technical competence of the EAF personnel during this informal OTJ. If the TSET feels the personnel involved are still not capable and ready to perform the required tasks independently, this situation must also be noted on the Work Order.

2.3.2 Technical Advice and Assistance

a. Assistance and Guidance: Provide detailed expert technical, engineering and consulting assistance and guidance to the EAF through the USAF ILS PMO.

b. Troubleshooting and Preventive Maintenance: The TSET, in coordination with USAF ILS PMO and EAF Aviation Equipment Department (AED) personnel, shall assist in:

- (1) performing maintenance and troubleshooting of the microwave network,
- (2) performing tests on equipment, identify electronic problems,
- (3) performing maintenance (interchanging boards, etc),
- (4) monitoring the technical status of ILS Microwave network,
- (5) making appropriate written recommendations to correct problems,
- (6) other related duties in order to keep the EAF microwave network technically operational and fully functional.

c. System Engineering: The contractor shall have, as per 3.1.c, the capability to:

- (1) perform system engineering of major digital transmission systems comprised of line-of-sight (digital) microwave, fiber optic, satellite and tropospheric scatter radio,
- (2) coordinate with US DoD and EAF agencies in the determination as to whether a stated operational requirement can be met,
- (3) analyze requirements and establish design objectives and criteria including: path and system availability, bit error rate (BER), bit count integrity, jitter, receive signal levels (RSL), etc. The contractor shall insure that the proposed system is compatible with existing or proposed tactical and satellite systems.

d. Consultant Engineering: The contractor shall provide consultant engineering services, as per 3.1.c, performed by a certified graduate professional engineer, to the EAF as necessary relative to ongoing engineering projects, and provide expert, technical advice relative to the calibration procedure and test equipment of the site.

e. Coordination: The TSET shall coordinate directly with engineering and

technical personnel within the EAF Aviation Equipment Department (AED) to ensure cooperation and standardization of all required supporting actions.

f. Spare Parts: The TSET will the USAF ILS PMO, in writing, when spares, repairs, supplies, etc. are needed to be procured based on observations made during site visits.

g. Design Review: The contractor shall review designs for effects upon engineering and performance objectives, such as wider applicability, ease of operation and maintenance, compatibility with authorized and existing systems and subsystems. The contractor shall recommend engineering changes to system or subsystem designs to effect improved performance. The contractor shall establish subsystem and system standardization criteria for use by the EAF and other MOD agencies.

h. Deviations: The contractor will make determinations concerning permissible deviations from normal engineering criteria and practices where environment, special operational requirements, or other factors do not permit rigid adherence to these criteria.

i. Recording Work Performed: Only the USAF ILS PMO will provide the TSET with work orders for each task to be performed, which will be used for annotating all work completed. Original copies of the work orders will be maintained in the PMO office. TSET will assist the USAF ILS PMO in keeping current work site telephone numbers on work orders so that critical or emergency communications can be accomplished during TSET work day. Upon completion of the assigned work, or portion of the work, the TSET shall require the signature of the EAF Site Maintenance Officer or the Chief of the AED Radio Communications Branch on the work order confirming the status of repairs and/or maintenance affected and the condition of the system at the time of departure. Signatures certifying completed work are required in all instances. EAF refusals to sign must be documented on the work order. Failure of the vendor to follow this defined work order procedure may result in a penalty being assessed.

j. Additional Duties: Any additional unrelated duties, not addressed in this SOW and subsequent contract, will be negotiated and priced (if applicable) under a separate task order.

2.3.3 Administrative Control

a. The contractor's personnel (TSET) shall report to and work under the administrative control of the USAF ILS Program Manager, based at Basatin EAF Logistics Depot in Egypt. EAF AED will submit work orders to the USAF ILS Program Manager for all tasks needing accomplishment, including EAF ILS PMO tasks, so that status of all work orders can be effectively monitored. "Emergency"

work orders requiring immediate action will be coordinated through the USAF ILS PMO by the EAF, and not given directly to TSET.

b. Quality surveillance and contract administration oversight will be performed by Defense Contract Management Agency (DCMA) -Egypt.

2.3.4 Participation in Meetings

The contractor will meet weekly, as scheduled by the USAF ILS PMO, unless otherwise notified, with the USAF ILS PMO, Chief of AED radio communications branch, and EAF ILS PMO as necessary. Discussions will consist of a status review of microwave network, TSET activities and other relevant information, including prioritizing planned work for the upcoming week. Participation in meetings may also include any in-country Program Management Reviews (PMRs).

2.3.5 Travel

Extensive travel, in the whole of northern Egypt, is required from Beni Suef in the south to Alexandria in the north, to Ismailia in the east. A vehicle and POL (reimbursable) for official travel will be provided by the Personnel Support Services contractor (See paragraph 3.1). In cases where overnight stays outside the Cairo area are required, TSET is required to get advance approval from the USAF ILS PMO. These stays will normally be at PSS provided facilities, but expenses will be paid if approved in advance for other locations.

2.3.6 Safety

The contractor will ensure that TSET personnel properly follow all field operation safety procedures and precautions. The TSET shall recommend to the Government of Egypt (GOE) site commanders how hazardous materials/wastes/situations are to be handled in the areas relating to hardware/supplies supported under this effort, and report any observed safety concerns in writing to the USAF ILS PMO and EAF AED.

2.3.7 Identification

The contractor shall provide to the ILS PMO, in writing within 15 calendar days after contract award, the full name, email address, work telephone number, fax number, cell phone number and home telephone number of the TSET.

2.4 DELIVERIES

The contractor shall furnish a monthly technical report as shown below covering all the activities of the field personnel. Any written recommendations or concerns made by the TSET to the EAF shall be included in the monthly report.

2.4.1 Monthly Technical Report

The monthly technical report, provided by the contractor, is a compilation of (a) microwave problems and (b) technical assistance information provided to the USAF ILS PMO for purposes of evaluation of types of problems resolved, their frequency of occurrence, and whether actions might be taken to reduce or eliminate them. The report will include any anticipated system needs. The report shall also include, but not be limited to, the following information for each site visited:

a. Microwave Problems: The contractor will provide a report of the specific and general problems existing at each site visited and recommended solutions for the EAF to overcome these problems.

1. List specific problems that are of significant concern to the EAF (include site and equipment type).
2. List recommended solution for each specific problem.
3. List general problems that are of a recurring kind.
4. List recommended solutions for each general problem.

b. Technical Assistance: The contractor will summarize the work requests (work orders - See Appendix B) and actions taken throughout the month. List a summary of all work orders worked for the month, under the following headings.

<u>Work Order</u>	<u>Site</u>	<u>Task</u>	<u>Date</u>	<u>Actions</u>
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2.5 PERSONNEL QUALIFICATIONS

2.5.1 Education

Ideally, the TSET should have, at a minimum, a technical four year degree from an accredited college or university. However, extensive microwave maintenance and repair experience, of at least four years, may replace this educational requirement. The contractor will provide evidence of educational requirement or microwave maintenance and repair experience no later than contract award date.

2.5.2 Experience

The contractor has sole prerogative in selecting, supervising and exercising control and direction over employees assigned to this contract for performance of the recruited tasks. However, the contractor shall select a TSET whose

experience qualifies them to perform the required services, has the supervising techniques commonly used in this work, and has the ability to keep themselves informed and up to date regarding all improvements, changes and methods of operation. Contractor will also submit employee resumes to USAF ILS PMO via E-mail and FAX for review and approval 10 days prior to assigning any employee to this project. It is understood that experience should include, but is not limited to, technical qualifications related to digital microwave, fiber optic and tropospheric scatter and associated multiplexing, timing and synchronization, digital modems, performance assessment, fault alarm and status reporting, antennae alignment and troubleshooting, radio troubleshooting and repair, and other associated work on similar equipment, as well as techniques applicable to the microwave communications network.

2.6 GOVERNMENT FURNISHED FACILITIES AND EQUIPMENT

The contractor will be required to provide common hand tools and test equipment required for routine daily maintenance and operation of the telecommunications system. The USAF ILS PMO will provide any specialized tools and test equipment (like oscilloscopes and laptop interface computers) as defined in part 45 of the FAR. Any Government Furnished Property (GFP) provided the contractor will be listed and signed for on a GFP inventory when it is in the possession or control of the TSET.

2.6 SCHEDULE AND PERFORMANCE TIME

a. The TSET shall work the same schedule as assigned USAF personnel (i.e. eight hours per day, five days per week). Contractor's personnel will observe the same holiday schedule (annually defined by the US Embassy in Cairo) as assigned USAF Personnel. Overtime will not be worked without advanced approval by the USAF ILS PMO, and is not anticipated.

b. Performance time means time spent in performance of services. The TSET will be based at the ILS PMO office at Basatin, but maintain a continual interface with the EAF Main Store at Basatin and at the EAF AED Headquarters in Nasr City, Heliopolis. Travel time to and from sites outside the Cairo area to Basatin or the Aviation Equipment Department (AED) Headquarters will be considered as performance time. Travel time to and from EAF base at Basatin and the EAF AED Headquarters to the TSET's domicile in Cairo shall not be considered as performance time.

2.7.1 Unscheduled Inability to Access Worksites

If site access is denied due to lack of power or associated utilities or other unusual situations that may prohibit a productive work day, this time shall be considered time worked. Additionally, if site access is denied due to an

unscheduled holiday, so that no meaningful work can be accomplished, this time shall be considered time worked.

2.7.2 Coverage During the Absence of TSET

The amount of vacation time and sick leave granted to the TSET will be determined by the contractor. However, the contractor must insure that adequate coverage is provided during those periods when the TSET is absent for longer than 24 consecutive work hours. Failure to do so, may result in the contractor being assessed a penalty by the government, of an amount equal to the fee of one day, for each day of non-performance after the 24 consecutive work hour grace period.

2.8 TRANSPORTATION OF TSET TO EGYPT

Fair and reasonable transportation expenses from the continental US to Egypt and return will be considered allowable in the contractor's proposal. However, The USG shall not be billed for transportation expenses from the continental US to Egypt if the selected TSET currently lives in Egypt, nor for more than one round trip during any two year period.

2.9 CONTRACTOR NEGLIGENCE

The contractor is responsible for any damage and/or injury to the Government of Egypt's equipment or personnel which is caused solely by gross negligence or deliberate wrongful act of the contractor field personnel. The contractor will take necessary action to correct the damages or failure at no cost to the contract. The contractor will supply the USG details of the damages.

3.0 OTHER

3.1 PERSONNEL SUPPORT SERVICES (PSS)

Personnel support services are provided at no cost to the contractor under the PSS Peace Vector Program, and are only provided in accordance with the terms of the current PSS contract. Current information will be provided by the PSS Program Manager. The type of support typically includes the following:

- Housing - Fully furnished , to include maintenance

- Utilities - All utilities to be provided

- Communications - Home Telephone Equipment (to include all Official Telephone Call Charges, excluding long distance charges)

- Security - Housing Security

- Other Services - Trash collection and Recreational Facilities

- Medical - Medical clinic with a Physician's assistant at Taalat Building, in addition to unrestricted access to local hospital services.

Transportation - 1 Vehicle per TSET (to include licensing fees, maintenance, and POL for official use only, not personal use). Third Party insurance shall be provided. However, dependents of contractor personnel are not permitted to operate the vehicles, except in dire emergencies.

Note: The PSS will not cover unspecified contractor on-site expenses (for example: dependent education or potential MedEvac, etc)

3.2 MAIL SERVICES

The contractor will be granted use of the Military Postal Service, pending written approval from the Military Postal Service Agency (MPSA). Any costs incurred by using the Army Post Office (APO), in terms of manpower/space allocation, shall be at the expense of the contractor. Strict adherence to the rules/regulations governing the use of the APO will be observed by the contractor employees. Approved usage of the APO shall be granted to include correspondence/packages not to exceed 16 ounces.

3.3 USE OF TERMINAL FACILITIES

Contractor personnel will be provided terminal facilities as necessary in performance of their day-to-day software maintenance activities. Contractor personnel will be provided access to EAF ILS software applications and technical instruction libraries, as required. Access to the production library will be through EAF counterpart personnel as required.

3.4 PASSES AND PERMISSION FOR ACCESS

The USAF ILS PMO, or PSS contractor, will be responsible for requesting all necessary passes and permission for access to required work sites, which are issued by the EAF.

APPENDIX A

ILS MICROWAVE AND TELECOMMUNICATIONS EQUIPMENT IN USE ON THE ILS MICROWAVE AND TELECOMMUNICATIONS NETWORK

The following equipment includes those items for which maintenance and on-side support are required.

<u>VENDOR ORIGIN</u>	<u>EQUIPMENT AND MODELS</u>
Collins/Alcatel	<div> <div>Radios</div> <div>MDR-8-5N</div> <div>MS-518 HMX-2</div> <div>MDR-4108</div> <div>MDR-4118</div> <div>MDR-4218</div> <div>MDR-4318</div> <div>MDR-4305E</div> <div>MDR-4308E</div> </div> <div> <div>Modems</div> <div>DMX-13 B2</div> <div>DMX 2003</div> <div>DMX 3003</div> </div>
Wescom	<div>PCM D4 Channel Bank</div> <div>TELEX Network</div> <div>RDX-370</div>
Telemetry	<div>MRD/ARD Circuits</div> <div>PLARD Circuits</div>
Raven	<div>Order wire system</div> <div>Data Network Switches</div>
Larse	LARSCAN 100 Fault Ala
PEGI	RF8000 Active Repeater
PCP	Battery Charging Equipment
Andrew	Antenna/waveguide system

The system is interfaced with local PTT, PABX and BX. PABX equipment includes Rolm, Siemens, Nortel, AT&T, Ericson, Sagam, TELEX and TTY Printers.

APPENDIX B

Site Name/No.
Date:

SITE VISIT – WORK ORDER for ILS (TECHNICAL ASSISTANCE/ REPAIR RECORD FORM)

Order No:	DETAILS OF THE PROBLEM(S), RECTIFICATION, EQUIPMENT REPAIRED OR REPLACED, ETC TSET SHOULD INDICATE IF WORK IS COMPLETE, OR PERCENT PARTIALLY COMPLETED
Date Requested:	
Directed By:	
Name of TSET:	
Depart Cairo:	
Arrive Site:	
Depart Site:	
Arrive Cairo:	
Signature of Contractor/TSET:	
Signature and Date of EAF Approval:	
Official Stamp:	

ATTACHMENT 1

DEFINITIONS:

For purposes of this SOW, the following definitions are provided;

ACO - Administrative Contracting Officer - In-Country
AED – Aviation Equipment Department
APO – Army Post Office
BER – Bit Error Rate
DCMA – Defense Contracting Management Agency
DoD – Department of Defense
EAF - Egyptian Air Force
GFP - Government Furnished Property
GOE – Government of Egypt
In-Country - Within the Host Country of Egypt
ILS - Integrated Logistics System
MOD - Ministry of Defense
OTJ - On-the-job (technical instruction)
OMC - Office of Military Cooperation
PCO - Procuring Contracting Officer
PMO - Program Management Office
POL - Petroleum, Oil and Lubricants
PSS – Personnel Support Services
RSL – Receive Signal Levels
TSET - Technical Support Electronics Technician
USG – United States Government
USAF – United States Air Force